



Receipt
1600

#6
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3-14-02

In re Application of: Darst et al. Application No: 09/782,714 Filed: February 13, 2001 For: <i>A Crystal of Bacterial Core RNA Polymerase</i>	Examiner: Not yet assigned Group Art Unit: 1631 Attorney Ref. No: IPT-011.02 (former 600-1-258DIV)
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Assistant Commissioner for Patents
Washington, DC 20231

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February 12, 2002 Date of Signature and Mail Deposit	By: <u><i>Paul Williams</i></u>

REQUEST FOR CHANGE OF ATTORNEY ADDRESS AND DOCKET NUMBER

Sir:

1) Effective immediately, please change the correspondence address in this application to:

Customer No: 25181
Patent Group
Foley, Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109-2170
Tel. (617) 832-1000
Fax. (617) 832-7000


2) Please also change the Docket Number to: IPT-011.02

Should there be any questions concerning this request, the Examiner is invited to contact the undersigned at (617) 832-1000.

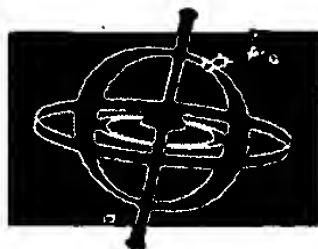
Respectfully Submitted,

Date: February 12, 2001

Customer No: 25181
Patent Group
Foley, Hoag & Eliot LLP
One Post Office Square
Boston, MA 02109-2170



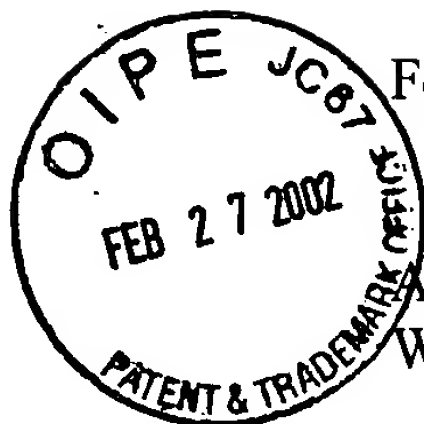
Isabelle M. Clauss
Reg. No. 47,326
Tel. (617) 832-1000
Fax. (617) 832-7000



**FOLEY
HOAG**
ATTORNEYS AT LAW

February 12, 2002

Assistant Commissioner of Patents
Washington, DC 20231



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Isabelle M. Clauss, Ph.D., J.D.
Boston Office
617.832.1177
iclauss@foleyhoag.com

Re: U.S. Patent Application No.: 09/782,714
Entitled: *A Crystal of Bacterial Core RNA Polymerase*
Filed: February 13, 2001; By: Darst et al.
Group Art Unit: 1631
Atty Ref: IPT-011.02 (former 600-1-258DIV)

Dear Sir:

Enclosed for filing in the above-referenced patent application, please find the following:

1. Revocation of Power of Attorney or Authorization of Agent - Rockefeller University (1 page);
2. Power of Attorney or Authorization of Agent - Rockefeller University (1 page);
3. Statement Under 37 C.F.R. § 3.73(b), with attachments - Rockefeller University (8 pages);
4. Revocation of Power of Attorney or Authorization of Agent - Rutgers University (1 page);
5. Power of Attorney or Authorization of Agent - Rutgers University (1 page);
6. Statement Under 37 C.F.R. § 3.73(b), with attachments - Rutgers University (7 pages);
7. Request for Change of Attorney Address and Docket Number (2 pages); and
8. Return Receipt Postcard.

The Commissioner is hereby authorized to charge any under-payments or credit any over-payments to our Deposit Account No. 06-1448.

20/491594.1

USSN: 09/782,714

February 12, 2002

Page 2

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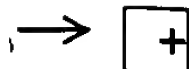
James D. Williams

Respectfully submitted,
FOLEY, HOAG & ELIOT LLP

I. M. Clauss

Isabelle M. Clauss, Ph.D.
Reg. No. 47,326
Attorney for Applicants
Customer ID No. 25181

Please type a plus sign (+) inside this



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**REVOCATION OF POWER OF
ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DIV)

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

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☐ Firm or
Individual Name

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Address

City

Country

State

ZIP

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

For, The Rockefeller University: KATHLEEN A. DENIS, Ph.D
DIRECTOR OF TECHNOLOGY TRANSFER

Signature

Kathleen A. Denis

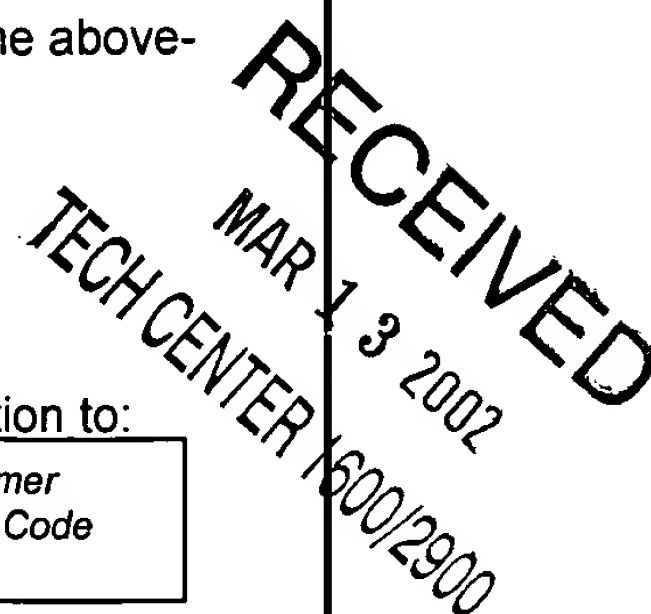
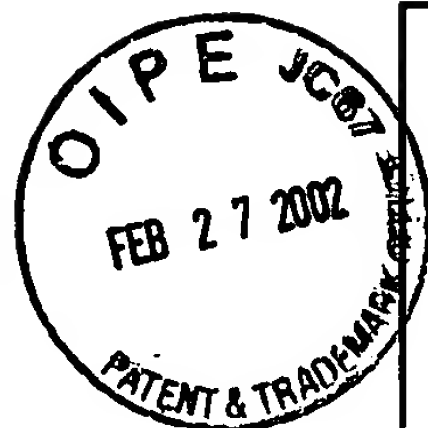
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NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 2 forms are submitted.

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AUTHORIZATION OF AGENT**

Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011:02 (formerly 600-1-258 DIV)

I hereby appoint:

☒ Practitioners at Customer Number

25181

Place Customer
Number Bar Code
Label here

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.
OR☐ Firm or
Individual Name

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Address

City

State

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Country

Telephone

Fax

I am the:

☐ Applicant.☐ Assignee of record of the entire interest. See 37 CFR 3.71.☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).***SIGNATURE of Applicant or Assignee of Record**

Name

For The Rockefeller University:

Signature

Kathleen A. Denis

KATHLEEN A. DENIS, Ph.D.

DIRECTOR OF TECHNOLOGY TRANSFER

Date

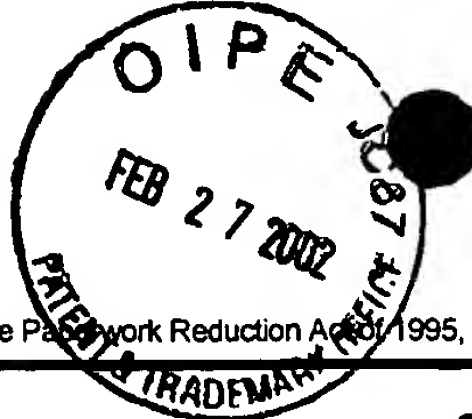
5 Feb 2002

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: The Rockefeller University

Application No./Patent No.: 09/782,714

Filed/Issue Date: February 13, 2001

Entitled: Crystal of Bacterial Core RNA Polymerase

The Rockefeller University

a university

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010438, Frame 0899, or for which a copy thereof is attached. (Assignment filed in Parent Application 09/396,651)

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____

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3. From: _____

To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

5 Feb 2002

Date

Kathleen A. Denis

Signature

KATHLEEN A. DENIS, Ph.D
DIRECTOR OF TECHNOLOGY TRANSFER

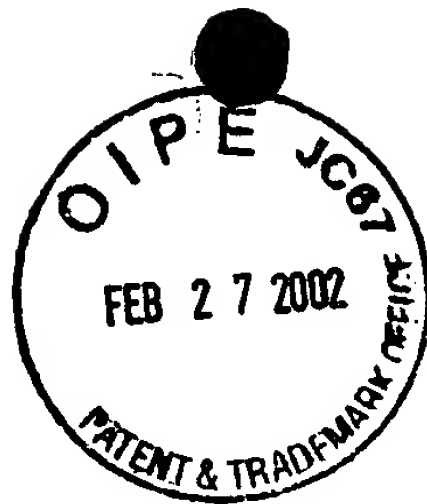
Typed or printed name

For The Rockefeller University

Title

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 11, 2000

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KLAUBER & JACKSON
DAVID A. JACKSON
411 HACKENSACK AVENUE, 4TH FLOOR
HACKENSACK, NJ 07601



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/1999

REEL/FRAME: 010438/0899
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DARST, SETH A.

DOC DATE: 11/29/1999

ASSIGNOR:
ZHANG, GONGYI

DOC DATE: 12/01/1999

ASSIGNOR:
CAMPBELL, ELIZABETH

DOC DATE: 11/29/1999

ASSIGNEE:
ROCKEFELLER UNIVERSITY, THE
1230 YORK AVENUE
NEW YORK, NEW YORK 10021-6399

SERIAL NUMBER: 09396651
PATENT NUMBER:

FILING DATE: 09/15/1999
ISSUE DATE:

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010438/0899 PAGE 2

MAYA BENNETT, EXAMINER
ASSIGNMENT DIVISION
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12-20-1999



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

EET

Attorney Docket No. 600-1-258

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Seth A. Darst; Gongyi Zhang; and Elizabeth Campbell

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

Other: _____

Execution Date: November 29, 1999; December 1, 1999;
and November 29, 1999

2. Name and address of receiving party(ies):

Name: The Rockefeller University

Address: 1230 York Avenue

New York, NY 10021-6399

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/396,651

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson

Address: KLAUBER & JACKSON

411 Hackensack Avenue, 4th Floor

Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account, if necessary -
for overages or underpayments only

8. Deposit account number:

11-1153

(Attach duplicate copy of this page if paying by deposit account)

12/20/1999 JSHABAZZ 00000091 09396651

01 FC:581

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael D. Davis, Reg. No. 39,161
Name of Person Signing

Michael D. Davis
Signature

12/10/99
Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner For Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, WE,

Seth A. Darst, a citizen of United States, residing at
500 East 63rd Street, Apt. 16J
New York, NY 10021;

Gongyi Zhang, a citizen of People's Republic of China, residing at
c/o National Jewish Medical & Research Center
1400 Jackson Street, K520
Denver CO 80206; and

Elizabeth Campbell, a citizen of the United States, residing at
500 East 63rd Street, Apt. 16J
New York, NY 10021;

have invented certain new and useful improvements in

**A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF
USE THEREOF**

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS, THE ROCKEFELLER UNIVERSITY,
an education corporation organized and existing under
the laws of the State of New York,
with office at 1230 York Avenue, New York, NY 10021-6399,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

SETH A. DARST; GONGYI ZHANG; AND ELIZABETH CAMPBELL

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which

Attorney Docket No.: 600-1-258

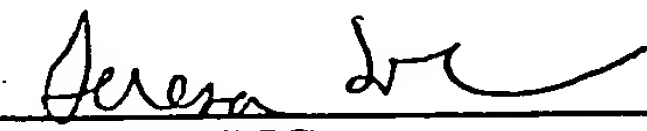
Date Nov. 29, 19

 L.S.
ELIZABETH CAMPBELL

State of Ny :
County of Ny : ss.
:

TERESA L. SOLOMON
Notary Public, State of New York
No. 31-4989836
Qualified in New York County
Commission Expires Dec. 16, 2001

Before me this day of 1999, personally appeared Elizabeth Campbell, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.


NOTARY PUBLIC

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may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

THE ROCKEFELLER UNIVERSITY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 11/29, 1999

Seth A. Darst L.S.
SETH A. DARST

State of Ny :
County of Ny : ss.

TERESA L. SOLOMON
Notary Public, State of New York
No. 31-4989836
Qualified in New York County
Commission Expires Dec. 16, 2001

Before me this day of 1999, personally appeared Seth A. Darst, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Teresa L. Solomon
NOTARY PUBLIC

(Affix Seal Here)

Date December 1, 1999

Gongyi Zhang L.S.
GONGYI ZHANG

State of Colorado :
County of Denver : ss.

Before me this day of 1999, personally appeared Gongyi Zhang, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Deborah L. Case
NOTARY PUBLIC
Deborah L. Case

(Affix Seal Here)

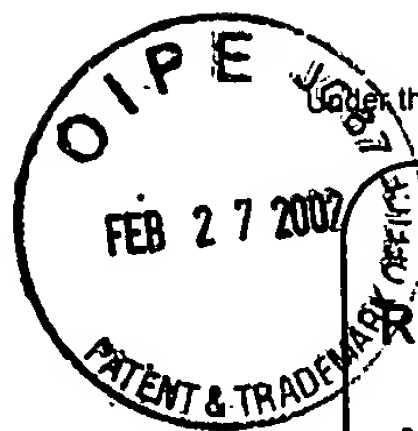
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Application Number	09/782,714
Filing Date	February 13, 2001
First Named Inventor	Darst et al.
Group Art Unit	1631
Examiner Name	
Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DM)

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☐ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.
Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name

For Rutgers, The State University of New Jersey: William T. Adams

Signature

Date

February 5, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 2 forms are submitted.

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Application Number	09/782,714
Filing Date	February 13, 2001
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Group Art Unit	1631
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Attorney Docket Number	IPT-011.02 (formerly 600-1-258 DIV)

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OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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☒ The above-mentioned Customer Number.

OR

☐ Firm or
Individual Name

Address

Address

City

State

ZIP

Country

Telephone

Fax

I am the:

☐ Applicant.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

☒ Assignee of record of an undivided partial interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	For Rutgers, The State University of New Jersey: <u>William T. Adams</u>
Signature	<u>[Signature]</u>
Date	<u>February 5, 2002</u>

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Rutgers, The State University of New Jersey

Application No./Patent No.: 09/782,714 Filed/Issue Date: February 13, 2001

Entitled: Crystal of Bacterial Core RNA Polymerase

Rutgers, the State University of New Jersey a university

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 010439, Frame 0184, or for which a copy thereof is attached. (Assignment filed in Parent Application 09/396,651)

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
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The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

February 5, 2002
Date

William T. Adams
Signature

William T. Adams
Typed or printed name

For Rutgers, The State University of New Jersey
Title



UNITED STATES DEPARTMENT OF COMMERCE
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KLAUBER & JACKSON
DAVID A. JACKSON
411 HACKENSACK AVENUE, 4TH FLOOR
HACKENSACK, NEW JERSEY 07601

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/13/1999

REEL/FRAME: 010439/0184
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MINAKIN, LEONID

DOC DATE: 12/01/1999

ASSIGNOR:
SEVERINOV, KONSTANTIN

DOC DATE: 12/01/1999

ASSIGNEE:
RUTGERS, THE STATE UNIVERSITY OF
NEW JERSEY
58 BEVIER ROAD
PISCATAWAY, NEW JERSEY 08854-8010

SERIAL NUMBER: 09396651
PATENT NUMBER:

FILING DATE: 09/15/1999
ISSUE DATE:

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 600-1-258

1999 DEC 13 AM 10:11

OPRA/NAME

Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Leonid Minakin and Konstantin Severinov

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

Other: _____

Execution Date: December 1, 1999 (respectively)

2. Name and address of receiving party(ies):

Name: Rutgers, The State University of New Jersey

Address: 58 Bevier Road

Piscataway, NJ 08854-8010

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/396,651

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David A. Jackson

Address: KLAUBER & JACKSON

411 Hackensack Avenue, 4th Floor

Hackensack, New Jersey 07601

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account, if necessary - for overages or underpayments only

8. Deposit account number:

11-1153

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael D. Davis, Reg. No. 39,161

Name of Person Signing

Michael D. Davis
Signature

12/10/99
Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner For Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, WE,

Leonid Minakin, a citizen of Russia, residing at
190 Frelinghuysen Road
Piscataway, NJ 08854; and

Konstantin Severinov, a citizen of Russia, residing at
114 Bayard Street
New Brunswick, NJ 08093

have invented certain new and useful improvements in

**A CRYSTAL OF BACTERIAL CORE RNA POLYMERASE AND METHODS OF
USE THEREOF**

for which we have filed an Application for Letters Patent in the United States on September 15, 1999, and was accorded U.S. Serial No. 09/396,651; and

WHEREAS, RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,
an education corporation organized and existing under
the laws of the State of New York,
with office at 58 Bevier Road, Piscataway, NJ 08854-8010,

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

LEONID MINAKIN AND KONSTANTIN SEVERINOV

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and

request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

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its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

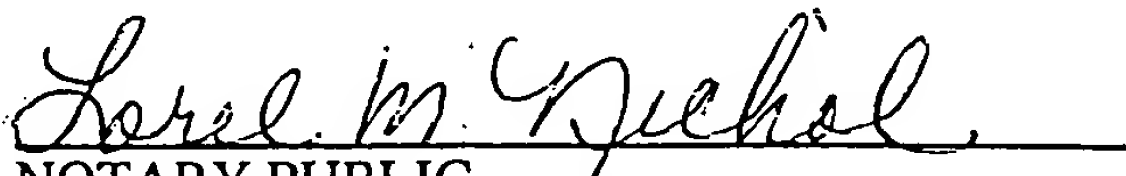
IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date Dec. 1, 1999


LEONID MINAKIN L.S.

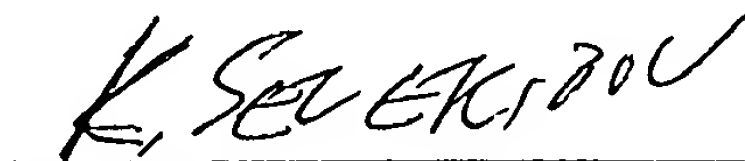
State of New Jersey
County of Middlesex: ss.

Before me this 1 day of Dec. 1999, personally appeared Leonid Minakin, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.


NOTARY PUBLIC
LOREL M. NICHOL
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 10, 2003


(Affix Seal Here)

Date Dec. 1, 1999


KONSTANTIN SEVERINOV L.S.

State of New Jersey
County of Middlesex: ss.

Before me this 1 day of Dec. 1999, personally appeared Konstantin Severinov, to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.


NOTARY PUBLIC
LOREL M. NICHOL
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Nov. 10, 2003

(Affix Seal Here)